

FORM PTO-1449 (Modified)		ATTY. DOCKET NO.	SERIAL NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT(S)' INFORMATION DISCLOSURE STATEMENT		14918-707 CPA4	08/846,933
(Use several sheets if necessary)		APPLICANT Cleland et al.	
		FILING DATE April 30, 1997	GROUP ART UNIT 1641
		REC'D CENTER 1500/2000 99 AUG - 6 AM 10:30	

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
EXAM'R INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	Subclass	Filing Date If Appropriate
VR	1	3,565,559	02.23.71	Sato et al.	424	37	
VR	2	3,737,337	06.05.73	Schnoring et al.	117	100	
VR	*3	4,293,539	10.06.91	Ludwig et al.	424	19	
VR	4	4,389,330	06.21.83	Tice et al.	427	213,36	
VR	*5	4,524,067	06.18.85	Archi et al.	514	33	
VR	6	4,568,559	02.04.86	Nuwayser et al.	427	3	
VR	7	4,637,905	01.20.87	Gardner	264	4.3	
VR	*8	4,652,441	03.24.87	Okada et al.	424	19	
VR	9	4,675,189	06.23.87	Kent et al.	424	490	
VR	*10	4,719,246	01.12.88	Murdoch et al.	521	134	
VR	*11	4,728,721	03.01.88	Yamamoto et al.	528	361	
VR	*12	4,767,628	08.30.88	Hutchinson et al.	424	426	
VR	*13	4,849,228	07.18.89	Yamamoto et al.	424	457	
VR	*14	4,897,268	01.30.90	Tice et al.	424	422	
VR	*15	4,902,515	02.20.90	Loomis et al.	424	486	
VR	*16	4,917,893	04.17.90	Okada et al.	424	423	
VR	17	4,919,929	04.24.90	Beck et al.	424	88	
VR	*18	4,954,298	09.04.90	Yamamoto et al.	264	4.6	
VR	*19	4,962,091	10.09.90	Eppstein et al.	514	2	
VR	*20	4,990,336	02.05.91	Silvestri et al.	424	426	
VR	*21	5,008,116	04.16.91	Cahn	424	491	
VR	22	5,015,476	05.14.91	Cochrum et al.	424	423	
VR	*23	5,057,540	10.15.91	Kensil et al.	514	25	
VR	24	5,068,112	11.26.91	Samejima, et al.	424	495	
VR	*25	5,075,109	12.24.91	Tice et al.	424	88	
VR	26	5,100,669	03.31.92	Hyon et al.	424	426	
VR	27	5,126,147	06.30.92	Silvestri et al.	424	497	

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VR	*28	5,198,533	03.30.93	Schally et al.	530	313	36	2/20/00
VR	29	5,242,686	09.07.93	Chu et al.	424	92		
VR	30	5,348,867	09.20.94	Georgiou et al.	435	69.7		
VR	31	5,624,612	04.29.97	Sewall et al.	264	4.1		
VR	32	5,643,605	07/01/97	Cleland et al.	424	489		
VR	33	5,667,808	09/16/97	Johnson et al.	424	501		

FOREIGN PATENT DOCUMENTS

EXAM'R INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	Subclass	TRANSLATN	
							yes	no
Not Available	*34	7,992,987	04.01.88	AU (abstract only)				
VR	35	266,119 A2	05.04.88	EPO	—	—		
VR	*36	279,688 A2	08.24.88	EPO	—	—		
VR	*37	333,523 A2	09.20.89	EPO	—	—		
VR	38	399,843 A2	11.28.90	EPO	—	—		
VR	*39	442,671 A2	08.21.91	EPO	—	—		
VR	*40	WO 90/03984	04.19.90	PCT	—	—		
VR	41	WO 90/09166	08.23.90	PCT	—	—		
VR	42	WO 91/12882	09.05.91	PCT	—	—		
VR	*43	WO 91/15238	10.17.91	PCT				
VR	44	WO 93/07861	04.29.93	PCT	—	—		
Not Available	45	8,803,621	04.13.90	SE				

OTHER ART (Include Author, Title, Date, Pertinent Pages, etc.)

VR	*46	Arthur et al., "Challenge of chimpanzees (Pan troglodytes) immunized with human immunodeficiency virus envelope glycoprotein gp120" <i>Journal of Virology</i> 63 (12) : 5046-5053 (1989)
VR	*47	Berman et al., "Human Immunodeficiency virus type 1 challenge of chimpanzees immunized with recombinant envelope glycoprotein gp120" <i>Proc. Natl. Acad. Sci. USA</i> 85(14) : 5200-5204 (July 1988)
VR	*48	Chang et al., "Biodegradable Semipermeable Microcapsules Containing Enzymes, Hormone, Vaccines, and Other Biologicals" <i>J. Bioengineering</i> 1:25-32 (1976)

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(Use several sheets if necessary)		RECEIVED U.S. PATENT AND TRADEMARK OFFICE 99 AUG - 6 AM 1600/1900	
		APPLICANT Cleland et al.	
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	*49	Chen <u>Science</u> 262:980-981 (1993)
VR	50	Cohen, J., "Jitters Jeopardize AIDS Vaccine Trials" <u>Science</u> 262:980-981 (1993)
VR	*51	Cowsar et al., "Poly (lactide-co-glycolide) Microcapsules for Controlled Release of Steroids" <u>Methods in Enzymology</u> 112 (Drug and Enzyme Targ) 101-116 (1985)
VR	*52	Eldridge et al., "Biodegradable and Biocompatible Poly (DL-lactide-Co-Glycolide) Microspheres as an Adjuvant for Staphylococcal Enterotoxin B Toxoid Which Enhances the Level of Toxin Neutralizing Antibodies" <u>Infection and Immunity</u> 59(9):2978-86 (1991)
VR	*53	Eldridge et al., "Biodegradable Poly (DL-lactide-coglycolide) Microspheres" <u>Res. Immunol.</u> 143(5) 557-63 (1992)
VR	54	Esparza et al., "Parameters Affecting the Immunogenicity of Microencapsulated Tetanus Toxoid" <u>Vaccine</u> 10(10): 714-720 (1992)
VR	*55	Glaser, V., "Solving the HIV Vaccine Puzzle: Questions Still Outnumber the Answers" <u>Genetic Engineering News</u> pps. 15-30 (November 1, 1993)
VR	56	Hora, et al., "Release of Human Serum Albumin from Poly(lactide-co-glycolide) Microspheres" <u>Pharmaceutical Research</u> 7(11):1190-1194 (1990)
VR	*57	Hu et al., "Effect of immunization with a vaccinia-HIV env recombinant on HIV infection of chimpanzees" <u>Nature</u> 328 (6132):721-723 (August 1987)
VR	*58	Kensil et al., "Development of a genetically engineered vaccine against feline leukemia virus infection" <u>J. Amer. Veterinary Med. Assoc.</u> 199(10):1423-1427 (1991)
VR	59	Kohn et al., "Single Step Immunization Using a Controlled Release, Biodegradable Polymer With Sustained Adjuvant Activity" <u>J. Immun. Methods</u> 95:31-38 (1986)
VR	*60	Maulding, "Prolonged Delivery of Peptides by Microcapsules" <u>J. of Controlled Release</u> 6:167-176 (1987)
VR	61	Nellore et al., "Evaluation of Biodegradable Microspheres as Vaccine Adjuvant for Hepatitis B Surface Antigen" <u>Journal of Parenteral Science & Technology</u> , Vol. 46, No. 5: 176-180 (September-October 1992)
Not Available	*62	Nusberg et al., "Adjuvant Formulations to Increase the Virus-neutralizing Antibody Response to HIV-1 rgp120 Subunit Vaccine" <u>Vaccines</u> (Annu. Meet.), Norrby et al., 11th edition, N.Y.:Cold Spring Harbor Lab Vol. 94:23-27 (Mod. Approaches New 1994).

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	April 30, 1997	1641

VR	*63	O'Hagan et al., "Biodegradable Microparticles as Controlled Release Antigen Delivery System" <u>Immunology</u> 73(2):239-242 (1991)
VR	64	Payne et al., "Water Soluble Phosphazene Polymers for Parenteral and Mucosal Vaccine Delivery" <u>Vaccine Design: The Subunit Adjuvant Approach</u> , Powell et al., New York, NY: Plenum Press Vol. 6:473-493 (1995)
VR	65	Preis, "A Single-step Immunization by Sustained Antigen Release" <u>J. Immun. Methods</u> 28:193-197 (1979)
VR	*66	Putney, S., "How Antibodies Block HIV Infection: Paths to an AIDS Vaccine" <u>TIBS</u> 17:191-196 (1992)
VR	67	Singh et al., "Controlled Delivery of Diphteria Toxoid Using Biodegradable Poly (D,L lactide) Microcapsules" <u>Pharmaceutical Research</u> 8(7): 958-961 (1991)
VR	*68	Tabata et al., "Activation of Macrophage in Vitro to Acquire Antitumor Activity by a Muramyl Dipeptide Derivative Encapsulated in Microspheres Composed of Lactide Copolymer" <u>Journal of Controlled Release</u> 6:189-204 (1987)
VR	69	Watts et al., "Microencapsulation Using Emulsification/Solvent Evaporation: An Overview of Techniques and Applications" <u>Critical Reviews in therapeutic Drug Carrier Systems</u> , Vol. 7, Issue 3: 235-259 (1990)
VR	*70	White et al., "A purified Saponin Acts as an Adjuvant for a T-independent Antigen" <u>Immunobiology of Proteins and Peptides VI</u> , M.Z. Atassi, New York:Plenum Press pps. 207-210 (1991)
VR	*71	Wu et al., "Saponin Adjuvant Enhancement of Antigen-Specific Immune Responses To An Experimental HIV-1 Vaccine" <u>J. of Immuno.</u> 148(5):1519-1525 (1992)

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